

## ABSTRACT OF THE DISCLOSURE

Terminal(s) may transmit optical signal(s) representing video data conforming to DV-format signal transmission protocol(s) to optical transmission apparatus(es) by way of optical fiber(s). At optical transmission apparatus(es), such optical signal(s) may be converted into electrical signal(s) by optical transceiver(s), and such electrical signal(s) may be converted into signal(s) conforming to specifications of state machine(s) and may be output. Microcomputer(s) and link interface(s) may be connected to state machine(s) and may provide application protocol conversion functionality or functionalities thereto. Furthermore, microcomputer(s) may be provided with bus management functionality or functionalities for managing bus(es) comprising conductive cable(s) and optical fiber(s).